

Navya Thomas

List of Publications by Year in descending order

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Version: 2024-02-01

11
papers

735
citations

933264

10
h-index

1372474

10
g-index

11
all docs

11
docs citations

11
times ranked

600
citing authors

#	ARTICLE	IF	CITATIONS
1	Membrane distillation research & implementation: Lessons from the past five decades. Separation and Purification Technology, 2017, 189, 108-127.	3.9	174
2	3D printed triply periodic minimal surfaces as spacers for enhanced heat and mass transfer in membrane distillation. Desalination, 2018, 443, 256-271.	4.0	135
3	3D printed feed spacers based on triply periodic minimal surfaces for flux enhancement and biofouling mitigation in RO and UF. Desalination, 2018, 425, 12-21.	4.0	122
4	3D printed spacers for organic fouling mitigation in membrane distillation. Journal of Membrane Science, 2019, 581, 331-343.	4.1	73
5	Mass transfer analysis of ultrafiltration using spacers based on triply periodic minimal surfaces: Effects of spacer design, directionality and voidage. Journal of Membrane Science, 2018, 561, 89-98.	4.1	64
6	3D printed spacers based on TPMS architectures for scaling control in membrane distillation. Journal of Membrane Science, 2019, 581, 38-49.	4.1	62
7	3D printed photocatalytic feed spacers functionalized with Fe^{2+} -FeOOH nanorods inducing pollutant degradation and membrane cleaning capabilities in water treatment. Applied Catalysis B: Environmental, 2022, 300, 120318.	10.8	49
8	Antiscalting 3D printed feed spacers via facile nanoparticle coating for membrane distillation. Water Research, 2021, 189, 116649.	5.3	25
9	Comparative assessment of the effects of 3D printed feed spacers on process performance in MD systems. Desalination, 2021, 503, 114940.	4.0	17
10	Impacts of feed spacer design on UF membrane cleaning efficiency. Journal of Membrane Science, 2020, 616, 118571.	4.1	14
11	Feedstock Availability, Composition, New Potential Resources for Biohydrogen, Biomethane, and Biobutanol Production via Biotechnological Routes. , 2017, , 261-276.		0